Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/04/2021 09:19 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126157	0	1.84	126047	1.77
Blue	F	SSC	125000	125153	0	3.36	125472	3.20
Blue	E	FITC	14400	14136	-2	2.54	325	15.02
Blue	D	PE	24713	24694	-1	1.97	564	10.54
Blue	B	PerCP-Cy5-5	31796	31712	-1	3.28	1046	14.22
Blue	A	PE-Cy7	21240	21363	0	5.32	572	28.98
Red	C	APC	41319	41066	-1	3.16	1724	11.24
Red	A	APC-Cy7	21019	20702	-2	3.49	774	11.35
Violet	B	V450	7305	7135	-3	3.70	432	11.92
Violet	A	V500	28652	27661	-4	3.27	691	9.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23747	1.76	564	-5	N/A	N/A	Pass
Blue	F	SSC	58231	1.97	516	4	N/A	N/A	Pass
Blue	E	FITC	60	49.42	490	-1	0.0418	0	Pass
Blue	D	PE	119	37.51	488	1	0.5161	439	Pass
Blue	B	PerCP-Cy5-5	195	35.97	585	1	0.0216	123	Pass
Blue	A	PE-Cy7	114	66.72	632	2	0.0220	0	Pass
Red	C	APC	399	22.91	574	1	0.0286	116	Pass
Red	A	APC-Cy7	174	26.77	546	1	0.0069	1167	Pass
Violet	B	V450	60	60.89	453	-3	0.0765	2670	Pass
Violet	A	V500	100	32.23	466	-4	0.0254	546	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.47	-31.36	1.09
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.43
Red	19.70	15.99 - 23.99	N/A	N/A	29.88	29.97	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10039

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments